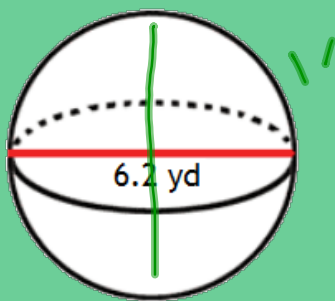
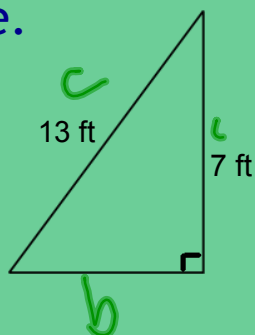


Warm Up

1) Find the volume.



2) Find the missing side.



$$\begin{array}{r} 13^2 = 169 \\ - 7^2 = -49 \\ \hline 120 \end{array}$$

Solve for x.

$$\begin{array}{r|l} 2x + 5 & = 21 \\ -5 & -5 \\ \hline 2x & = 16 \\ \frac{2x}{2} & = \frac{16}{2} \\ x & = 8 \end{array}$$

$$\begin{array}{r|l} 64 & = 30 + 17x \\ -30 & -30 \\ \hline 34 & = 17x \\ \frac{34}{17} & = \frac{17x}{17} \\ 2 & = x \end{array}$$

2 With the person sitting next to you, discuss and answer each question.

4 Once complete, compare your answers with the rest of your group.

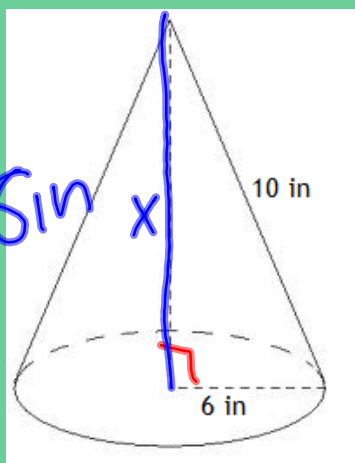
Random Group - Color

Find the radius of a cylinder whose height is 6 inches and volume is 90 cubic inches.

$$\begin{aligned}
 V &= \pi \cdot r \cdot r \cdot h \\
 90 &= \pi \cdot r \cdot r \cdot 6 \\
 90 &= 18.85 \cdot r^2 \\
 \frac{90}{18.85} &= \frac{18.85 \cdot r^2}{18.85} \\
 4.77 &= r^2 \\
 2.18 \text{ in.} &= r
 \end{aligned}$$

Random Group - Symbol


Find the volume of the cone.



$$V = \frac{\pi \cdot r \cdot r \cdot h}{3}$$
$$V = 301.59 \text{ in}^3$$

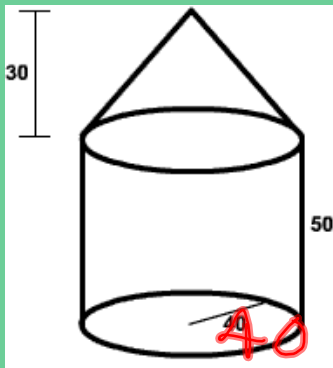
Random Group - Letter

Find the volume of this hemisphere whose radius is 3.1 cm.


$$V = \frac{4 \cdot \pi \cdot r \cdot r \cdot r}{3}$$
$$V = \frac{4 \cdot \pi \cdot 3.1 \cdot 3.1 \cdot 3.1}{3}$$
$$V = \frac{129.79}{2}$$

Random Group - Number

Find the volume of the object.



50

40

Planner Time!

More Volume! WS

3 OUT OF 2
PEOPLE
— HAVE —
TROUBLE
— WITH —
FRACTIONS

